

6 CLEAN WATER AND SANITATION

MMSU's Commitment

Help achieve the goal of ensuring access to water and sanitation for all as safe water and sanitation are key foundations for good health, higher production of food and energy, and the preservation of the water resources.

Key Activities and Accomplishments

- Analyzed the groundwater quality of shallow aquifers in MMSU Farm, focusing on key physical and chemical properties to assess its suitability for irrigation and drinking. As an initial result, the groundwater generally is still suitable for irrigation and falls within a slight to moderate restriction based on Electrical Conductivity (EC) levels. The chloride levels were also suitable for irrigation, although some wells showed a slight to moderate restriction during certain months. For drinking purposes, the groundwater was found to be within acceptable limits for most parameters except for TDS, which exceeded the PNSDW limit of 0.60 g/L, and turbidity, which surpassed the permissible limit in three wells during May and June. Nitrate-N concentrations were well below the maximum contaminant level indicating safe drinking water. Ammonium-N concentrations remained below 1 mg/L, confirming suitability for drinking.